

## eRDH SERIES

### ELECTRIC PARALLEL GRIPPER

DESTACO's Robohand eRDH Series of electric grippers are designed with state-of-the-art gripper technology. eRDH grippers integrate 4 teachable sensors, speed control, force control, and internal or external grip settings. These grippers eliminates the complexity of configuration adjustment and sensor settings with it's highly intuitive keypad interface. An eRDH can be fully configured including sensor settings in under a minute.

These Robohand grippers include built-in jaw locking technology requiring no power to maintain grip force, a keypad lockout feature to prevent tampering and basic diagnostic feedback to PLC if a fault condition is detected.

The eRDH is an all-inclusive gripper requiring only a single cable to the PLC for power and discrete control signals.



#### PRODUCT HIGHLIGHTS/OPTIONS

- Low power electric gripping is ideal for mobile platforms
- Intuitive setup and commissioning
- 4 Integrated teachable sensors
- Self-locking grip requires no power to maintain



**ROBOHAND™**



GRIPPING

#### FEATURES & BENEFITS



ELECTRIC

- 24VDC power with ultra low power consumption
- Built-in diagnostics with LED indication and discrete signal output



FLEXIBLE

- Intuitive keypad interface allows for quick configurability
- Force, speed, internal/external grip, 4-point teachable sensing
- Keypad lock and control override to release part as needed



PRECISION

- Fine tune gripping functions for greater accuracy and flexibility
- Teachable gripper opening/closing position sensing



ASSEMBLY



CNC MACHINING



ELECTRIC PRODUCTS



WHITE GOODS/  
APPLIANCE

APPLICATIONS



FOOD & PACKAGING



INDUSTRIAL



AUTOMOTIVE



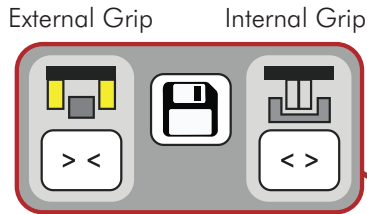
CONSUMER GOODS

MARKETS

## eRDH SERIES ELECTRIC PARALLEL GRIPPER

The distinctive eRDH keypad interface allows a user to quickly configure and adjust any setting including sensor teach points in seconds. Enhanced features include the keypad lockout, diagnostics error detection, automatic grip retry and manual local control override for part release. All adjustments are made with the push of a button and are activated once the save button is pressed. No special software needed; no special tools required.

### Grip Mode and Local Control



Select between two grip modes or use local control actuation for easy commissioning.

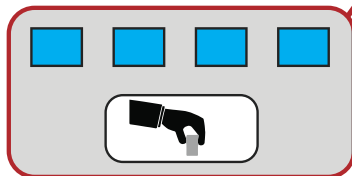
### Speed Control



Quickly change the jaw open/close actuation speeds.

### Grip Force Control

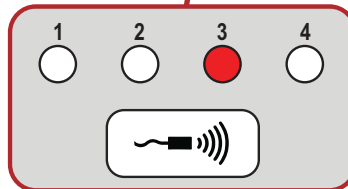
Four levels



Easily select 1 of 4 force settings via keypad interface.

### Save and Lockout

Save configuration changes or engage keypad lockout to prevent tampering.



### Integrated Position Sensing

Four teachable grip positions.

### Features:

- Strokes up to 16mm [0.63 in]
- Total grip force up to 1250N [281 lbf]
- Power 24VDC, 25mA idle / 1.8A peak
- Continuous Grip self locking jaws
- Error detection feedback to PLC



### Electrical Connector

M12, 8-Pin, A-Code, Pin Receptacle

**ROBOHAND™**

DIMENSIONS AND TECHNICAL INFORMATION ARE SUBJECT TO CHANGE WITHOUT NOTICE.

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